

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings:

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1. (Currently Amended) A reduced image forming apparatus

comprising:

dividing means for dividing an original image into a plurality of

image blocks;

extracting means for extracting a plurality of partial images from an original image each of the plurality of image blocks;

generating means for combining the plurality of partial images extracted by said extracting means and generating a combined image smaller than said the original image; and

indicating means for indicating the combined image generated by said generating means.

2. (Canceled)

3. (Currently Amended) An apparatus according to claim 2 1, wherein said dividing means divides said original image into a plurality of uniform image blocks.

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4. (Currently Amended) An apparatus according to claim 2 1, wherein said ~~obtaining~~ extracting means ~~divides said image block into a plurality of partial images,~~ and obtains the partial image at a same position in each image block.

5. (Currently Amended) An apparatus according to claim 2 1, wherein said ~~obtaining~~ dividing means divides each said image block into a plurality of uniform partial images, and said extracting means obtains the partial image at a position set for each image block.

6. (Original) An apparatus according to claim 1, wherein said generating means decreases an image resolution within a range in which a character can be visually recognized as a character on said indicating means, and generates a combined image smaller than said original image.

7. (Currently Amended) An apparatus according to claim 1, wherein said extracting means further has application data extracting means for reading application data and extracting ~~said~~ the application data.

8. (Currently Amended) An apparatus according to claim 7, wherein ~~said~~ the application data is data which is formed in an application.


9. (Currently Amended) A reduced image forming method comprising:

a dividing step, of dividing an original image into a plurality of image blocks;

an extracting step₁ of extracting a plurality of partial images from ~~an~~ the original image;

a generating step₂ of combining the plurality of partial images extracted ~~by in~~ in said extracting step and generating a combined image smaller than ~~said the~~ the original image; and

an indicating step₃ of indicating the combined image generated ~~by in~~ in said generating step.

10.  (Canceled)

11. (Currently Amended) A method according to claim ~~10~~ 9, wherein said dividing step ~~divides said~~ includes dividing the original image into a plurality of uniform image blocks.

12. (Currently Amended) A method according to claim ~~10~~ 9, wherein said obtaining step divides said image block into a plurality of partial images, and obtains the partial image at a same position in each image block.

13. (Currently Amended) A method according to claim ~~10~~ 9, wherein said obtaining step ~~divides said~~ includes dividing each image block into a plurality of uniform partial images, and obtains the partial image at a position set for each image block.

14. (Currently Amended) A method according to claim 9, wherein said generating step ~~decreases~~ includes decreasing an image resolution within a range in which a character can be visually recognized as a character ~~on~~ in said indicating step, and generates a combined image smaller than ~~said~~ the original image.

15. (Currently Amended) A method according to claim 9, wherein said extracting step further ~~has~~ comprises an application data extracting step, of reading application data and extracting ~~said~~ the application data.

16. (Currently Amended) A method according to claim 15, wherein ~~said~~ the application data is data which is formed in an application.

17. (Currently Amended) A storage medium storing a control program for making a computer form a reduced image based on an original image, wherein said control program comprises ~~the~~ codes for:

a dividing step, of dividing an original image into a plurality of image blocks;

an extracting step₁ of extracting a plurality of partial images from ~~an~~
the original image;

a generating step₂ of combining the plurality of partial images
extracted ~~by~~ in said extracting step and generating a combined image smaller than ~~said~~ in
original image; and

an indicating step₃ of indicating the generated combined image
generated ~~by~~ in said generating step.

18. (Canceled)

19. (Currently Amended) A medium according to claim ~~18~~ 17, wherein
said dividing step ~~divides said~~ includes dividing the original image into a plurality of
uniform image blocks.

20. (Currently Amended) A medium according to claim ~~18~~ 17, wherein
said ~~obtaining~~ extracting step ~~divides said~~ includes dividing each image block into a
plurality of partial images, and ~~obtains~~ obtaining the partial image at a same position in
each image block.

21. (Currently Amended) A medium according to claim ~~18~~ 17, wherein
said ~~obtaining~~ extracting step ~~divides said~~ includes dividing the image block into a

plurality of uniform partial images, and ~~obtains~~ obtaining the partial image at a position set for each image block.

22. (Currently Amended) A medium according to claim 17, wherein said generating step ~~decreases~~ includes decreasing an image resolution within a range in which a character can be visually recognized as a character ~~on~~ in said indicating step, and ~~generates~~ generating a combined image smaller than ~~said~~ the original image.

23. (Currently Amended) A medium according to claim 17, wherein said extracting step further ~~has~~ comprises an application data extracting step, of reading application data and extracting ~~said~~ the application data.

24. (Currently Amended) A medium according to claim 23, wherein ~~said~~ the application data is data which is formed in an application.

25. (Currently Amended) A reduced image forming apparatus comprising:

converting means for converting an original image into a character train;

dividing means for dividing the character train converted by said converting means into a plurality of character train blocks;

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extracting means for extracting a partial character train from each of
the plurality of character train blocks ~~converted by said converting means;~~

generating means for combining a plurality of partial character trains
extracted by said extracting means, converting the combined partial character trains into an
image, and generating a combined image smaller than ~~said~~ the original image; and

indicating means for indicating the combined image generated by
said generating means.

26. (Currently Amended) An apparatus according to claim 25, wherein
said converting means has:

character train recognizing means for recognizing a character train;
and

replacing means for replacing a two or more sequent spaces
recognized by said recognizing means or a carriage return line feed control code and a
plurality of spaces subsequent thereto with one space.

27. (Canceled)

28. (Currently Amended) An apparatus according to claim ~~27~~ 26,
wherein said dividing means divides the character train replaced by said replacing means
into a plurality of uniform character train blocks.

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29. (Currently Amended) An apparatus according to claim ~~27~~ 26, wherein said ~~obtaining~~ extracting means divides said ~~each~~ each character train block into a plurality of partial character trains, and obtains the partial character train at a same position in each character train block.

30. (Currently Amended) An apparatus according to claim ~~27~~ 26, wherein said ~~obtaining~~ extracting means divides said ~~each~~ each character train block into a plurality of uniform partial character trains, and obtains the partial character train at a position set for each character train block.

31. (Currently Amended) An apparatus according to claim 25, wherein said generating means decreases an image resolution within a range in which a character can be visually recognized as a character on said indicating means, and generates a combined image smaller than said the original image.

32. (Currently Amended) An apparatus according to claim 25, wherein said extracting means further has application data extracting means for reading application data and extracting the character train included in said the application data.

33. (Currently Amended) An apparatus according to claim 32, wherein said the application data is data which is formed in an application.

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34. (Currently Amended) A reduced image forming method comprising:
a converting step₁ of converting an ~~original~~ image into a character

train;

a dividing step₂ of dividing the character train converted in said
converting step into a plurality of character train blocks;

an extracting step₃ of extracting a partial character train from each of
the plurality of character train blocks ~~converted by said converting step;~~

a generating step₄ of combining a plurality of partial character trains
extracted ~~by~~ in said extracting step, converting the combined partial character trains into an
image, and generating a combined image smaller than ~~said original~~ the image; and

an indicating step₅ of indicating the combined image generated ~~by~~ in
said generating step.

35. (Currently Amended) A method according to claim 34, wherein said
converting step has:

a character train recognizing step₁ of recognizing a character train;
and

a replacing step₂ of replacing a two or more sequent spaces
recognized ~~by~~ in said recognizing step or a carriage return line feed control code and a
plurality of spaces subsequent thereto with one space.

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36. (Canceled)

37. (Currently Amended) A method according to claim 36 34, wherein said dividing step ~~divides~~ includes dividing the character train replaced by in said replacing step into a plurality of uniform character train blocks.

38. (Currently Amended) A method according to claim 36 34, wherein said obtaining step ~~divides said~~ includes dividing each character train block into a plurality of partial character trains, and ~~obtains~~ obtaining the partial character train at a same position in each character train block.

39. (Currently Amended) A method according to claim 36 34, wherein said obtaining step ~~divides said~~ includes dividing each character train block into a plurality of uniform partial character trains, and ~~obtains~~ obtaining the partial character train at a position set for each character train block.

40. (Currently Amended) A method according to claim 34, wherein said generating step ~~decreases~~ includes decreasing an image resolution within a range in which a character can be visually recognized as a character ~~on~~ in said indicating step, and ~~generates~~ generating a combined image smaller than ~~said original~~ the image.

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41. (Currently Amended) A method according to claim 34, wherein said extracting step further ~~has~~ comprises an application data extracting step, of reading application data and extracting the character train included in ~~said~~ the application data.

42. A method according to claim 41, wherein ~~said~~ the application data is data which is formed in an application.

43. (Currently Amended) A storage medium comprising ~~the~~ codes for:
a converting step, of converting an ~~original~~ image into a character train;

a dividing step, of dividing the character train converted in said converting step into a plurality of character train blocks;

an extracting step, of extracting a partial character train from each of the plurality of character train blocks ~~converted by said converting step;~~

a generating step, of combining a plurality of partial character trains extracted ~~by~~ in said extracting step, converting the combined partial character trains into an image, and generating a combined image smaller than ~~said original~~ the image; and

an indicating step, of indicating the combined image generated ~~by~~ in said generating step.

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44. (Currently Amended) A medium according to claim 43, wherein said converting step ~~has~~ includes a character train recognizing step₂ of recognizing a character train.

45. (Currently Amended) A medium according to claim 43, wherein said converting step ~~has a code for~~ comprises a replacing step₂ of replacing a two or more sequent spaces recognized ~~by~~ in said recognizing step or a carriage return line feed control code and a plurality of spaces subsequent thereto with one space.

46. (Canceled)

47. (Currently Amended) A medium according to claim ~~46~~ 43, wherein said dividing step ~~divides~~ includes dividing the character train replaced ~~by~~ in said replacing step into a plurality of uniform character train blocks.

48. (Currently Amended) A medium according to claim ~~46~~ 43, wherein said obtaining step ~~divides said~~ includes dividing each character train block into a plurality of partial character trains, and ~~obtains~~ obtaining the partial character train at a same position in each character train block.

49. (Currently Amended) A medium according to claim ~~46~~ 43, wherein said obtaining step ~~divides said~~ includes dividing each character train block into a plurality of uniform partial character trains, and ~~obtains~~ obtaining the partial character train at a position set for each character train block.

50. (Currently Amended) A medium according to claim 43, wherein said generating step ~~decreases~~ includes decreasing an image resolution within a range in which a character can be visually recognized as a character ~~on~~ in said indicating step, and ~~generates~~ generating a combined image smaller than ~~said original~~ the image.

51. (Currently Amended) A medium according to claim 43, wherein said extracting step further ~~has~~ comprises an application data extracting step, of reading application data and extracting the character train included in ~~said~~ the application data.

52. (Currently Amended) A medium according to claim 51, wherein ~~said~~ the application data is data which is formed in an application.
